

WHAT IS CLAIMED IS:

1. A golf ball comprising a rubber composition obtained by blending 10 to 50 parts by mass of a co-crosslinking agent and 0.1 to 6 parts by mass of a crosslinking initiator with 100 parts by mass of a rubber component; wherein
 - 5 said rubber component contains at least 80 mass percent of hydrogenated polybutadiene, and
 - said hydrogenated polybutadiene has a double bond residual rate of 80 to 99% and cis-1,4-structure content rate of at least 90%.
2. The golf ball according to claim 1, wherein
 said co-crosslinking agent is α , β -unsaturated carboxylic acid or a metal salt of the α , β -unsaturated carboxylic acid.
3. The golf ball according to claim 1, wherein
 said hydrogenated polybutadiene has a double bond residual rate of 85 to 99%.
4. The golf ball according to claim 1, wherein
 said hydrogenated polybutadiene has a cis-1,4-structure content rate of at least 95%.
5. A golf ball formed by a core and a cover placed around said core and fabricated with the rubber composition according to claim 1 for said core.